

## Interface Memorandum

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To: Dan Even

Subject: **Monthly Report – January 1997  
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## TABLE OF CONTENTS

<b>ORTHODONTIC PRODUCTS</b>	<b>4</b>
<b>A. NEW PRODUCT DEVELOPMENT ACTIVITIES</b>	<b>4</b>
<b><u>TYPE I (Built In-House)</u></b>	<b>4</b>
AI-1. <i>Alexander Spirit</i> Brackets	4
AI-2. Self-Ligating Brackets (Dr. Wildman)	4
AI-3. <i>Alexander</i> Flat Bow Retainer Wires with Omega Loops	4
AI-4. AEZ Instruments	5
a. Flush-Cut Distal-End Cutter	5
AI-5. Textured Molar Bands	5
AI-6. Burstone <i>Orthos</i> Cuspid Brackets with Horizontal Tube	5
AI-7. Molded Mini-Stick <i>Power Os</i>	6
AI-8. Bite Turbo Bracket	6
AI-9. Tooth Shaped Pad	6
AI-10. <i>Orthos-AD</i> Alexander Discipline Appliance System	7
AI-11. Mandibular Anterior Repositioning Appliance (Dr. Eckhart)	7
AI-12. Low Cost RPE	7
AI-13. <i>Orthos</i> Carriere Bracket	8
AI-14. <i>Orthos</i> Lip Bumper	8
<b><u>TYPE II (Outside Vendor)</u></b>	<b>8</b>
<b><u>TYPE III (Product Modifications)</u></b>	<b>8</b>
<b>B. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS</b>	<b>8</b>
<b><u>TYPE I (Built In-House)</u></b>	<b>8</b>
BI-1. <i>Orthos-AD/AP</i> Alexander Discipline Asian Prescription Appliance System	8
BI-2. <i>CustomRx</i> Custom Labial Appliance System	9
BI-3. <i>CustomRx</i> Custom Lingual Appliance System	9
BI-4. Adhesive Pre-Coated Brackets	10
BI-5. Metal Slot Ceramic Brackets	10
BI-6. Moisture-Resistant Adhesive	10
BI-7. Wedge-Shaped Neck Strap (Dr. Alexander)	10
BI-8. <i>Orthos</i> CM_F in Spirit MB	11
BI-9. <i>Orthos</i> Adjustable Placement Gauge	11
BI-10. <i>Orthos</i> AD in Spirit MB	11
BI-11. Aluminum Bracket	12
BI-12. Ni-Ti Ligaturless Bracket	12
BI-13. Titanium Brackets	12
BI-14. Titanium Buccal Tubes	13
BI-15. Titanium Bands	13
BI-16. Material Research	13
BI-17. Uni-Bracket Packaging	14
BI-18. Ormco Class II Jumper	14
BI-19. <i>Wildman</i> Lingual Bracket	14
BI-20. Arch Measuring Template	14
BI-21. Takemoto Lingual Appliance	15
BI-22. Single-Piece Bracket	15
BI-23. Titanium Alloy Wire	15
BI-24. Power Chain Dispensing System	16
BI-25. Occlusally Offset Molar Pads	16

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BI-26. Occlusally Offset Lower Cuspid Pads	16
BI-27. Improved Power Chain	17
BI-28. Gold Arches	17
BI-29. Orthos Weldable Bicuspid	17
BI-30. MARA Three Jaw Plier	17
BI-31. MARA Torque Tool	18

**TYPE II (Outside Vendor)**

BII-1. Reverse-Curve <i>Copper Ni-Ti</i> Archwires	18
BII-2. Disinfectant Solution	18
BII-3. Titanium Buccal Tube - MIM Process	19

**C. PRODUCT IMPROVEMENT / MANUFACTURING SUPPORT ACTIVITIES** 19

C-I. <i>AOA</i> (Laboratory) Engineering Support	19
C-II. CE Marking	20
C-III. Bracket Placement Process Improvement	20
C-IV. Gold Bracket Alternative Vendor	21
C-V. AEZ / ETM Instrument Support	21
C-VI. Improved Optimesh	21

**D. OTHER DEPARTMENT ACTIVITIES** 22

D-I. Capital Appropriation Requests	22
D-II. Custom Braze	22

**ENDODONTIC PRODUCTS** 22**A. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS** 22

AI-1. Post Remover Kit	22
AI-2. Buchanan Hand Plugger	22

**ORTHODONTIC PRODUCTS****B. RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS****TYPE I** (Built In-House)**BI-2. CustomRx CUSTOM LABIAL APPLIANCE SYSTEM** (Project 853-E Craig Andreiko/Eric Chapoulaud)**a. Lab Reopening** (Craig Andreiko)**1) Accomplishments / Status****2) Goals For February****3) Major Project Milestones**

- © Lab will reopen once 3D scanning and jig fabrication is completed.

**b. 3D Digitizing** (Eric Chapoulaud)**1) Accomplishments / Status**

Due to the power outage during the wind-storm at the beginning of the month, the scanner computer failed. A new single board pentium based computer is now at the core of the scanner. This new configuration introduced hardware modifications on the reset function of the computer, and power-up protection have been set-up to avoid the motion axis to crash at power-up.



The upgrade in processing power allows us to scan 3 times faster without changing the software. The scanner is now operational.

**2) Goals For February**

Upgrade the software libraries to provide faster scans.



Acquire new scans of upper and lower dentition.



Modify the Acquisition software to provide easier to use interface and more flexibility on the programming side.



Manufacture a bite registration using the newly acquired scans.

**3) Major Project Milestones**

- © Bite registration manufacturing: February 1996.

**BI-3. CustomRx CUSTOM LINGUAL APPLIANCE SYSTEM** (Project 953-E; Craig Andreiko)**a. Accomplishments / Status****b. Goals For February**

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**c. Major Project Milestone**

- ⊙ Re-evaluate project once 3D scanning & jig fabrication is completed.